

Title (en)

Method and array for determination of RNAi cell transfection effects by multiple gene expression analysis on micro-arrays

Title (de)

Verfahren und Array zur Bestimmung von den Effekten des RNAi-Zelltransfektions durch mehrfache Genexpressionsanalyse auf Mikroarrays

Title (fr)

Procédé et réseau pour la détermination des effets de transfection des cellules avec ARNi par l'analyse de l'expression de gènes multiples à l'aide de micro-réseaux

Publication

EP 1657312 A1 20060517 (EN)

Application

EP 05023684 A 20051028

Priority

US 98721204 A 20041112

Abstract (en)

The invention provides a tool and a method for the easy interpretation of the changes occurring in a cell, being a three dimensional complex and control system when transfected by RNAi. The method is based on the analysis of a limited number of data obtained by quantifying the intensity of the signals present on spots distributed in a two dimensional surface. The invention allows to observe the effects of the presence of a particular RNAi on the cells main vital cellular functions together with the possible side or deleterious effects resulting from the transfection process or to the presence of the RNAi in a cell. The invention also provides a method for the determination of change in the three dimensional status of a cell, wherein an array containing nucleic acids or proteins belonging to or being representative for at least 5 vital cellular functions together with 3 deleterious functions

IPC 8 full level

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C-Set (source: EP US)

1. **C12Q 1/6837** + **C12Q 2541/10**
2. **C12Q 1/6809** + **C12Q 2565/501**

Citation (search report)

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- [PX] EP 1477571 A1 20041117 - EPPENDORF AG [DE]
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